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## OM nucleic - nucleic search, using sw model

Run on: December 28, 2005, 22:23:23 ; Search time 353 Seconds

(without alignments) 8822.346 Million cell updates/sec

Title: US-10-001-227-3

perfect score: 1752

Sequence: atgcatccacagtgttgc.....ctgagaacgaggcaatc 1752

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780328 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Parents NA: \*

1: /egn2\_6/ptodata/1/ina/1\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

2: /egn2\_6/ptodata/1/ina/5\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

3: /egn2\_6/ptodata/1/ina/6A\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

4: /egn2\_6/ptodata/1/ina/6B\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

5: /egn2\_6/ptodata/1/ina/H\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

6: /egn2\_6/ptodata/1/ina/PCUTS\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

7: /egn2\_6/ptodata/1/ina/PP\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

8: /egn2\_6/ptodata/1/ina/RB\_COMB.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

9: /egn2\_6/ptodata/1/ina/backfile1.seq: \* ; Sequence 253, Application US/0999833A-253 ; Patent No. 6916648

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	957.8	54.7	2456 3 US-09-999833A-253	Sequence 253, App
2	957.8	54.7	2455 3 US-10-020-445A-253	Sequence 253, App
3	427.2	24.4	1717 3 US-09-595-682B-20	Sequence 20, Appli
4	424.2	24.2	1701 3 US-09-264-737-3	Sequence 3, Appli
5	319.2	18.2	1680 3 US-10-019-219-5	Sequence 6, Appli
6	319.2	18.2	2117 3 US-09-949-016-3799	Sequence 3799, Ap
7	319.2	18.2	2169 3 US-09-949-016-555	Sequence 555, Ap
8	319.2	18.2	2191 3 US-09-595-682B-27	Sequence 27, Appli
9	272.8	15.6	1746 3 US-10-023-515-3	Sequence 3, Appli
10	272.8	15.6	2158 3 US-10-023-515-1	Sequence 1, Appli
11	260.6	14.9	2092 3 US-10-104-047-249	Sequence 249, App
12	243.4	13.9	1453 3 US-09-799-451-562	Sequence 562, App
13	168.6	9.5	521 3 US-10-019-219-3	Sequence 3, Appli
14	148.2	8.5	1725 3 US-09-810-861B-5	Sequence 5, Appli
15	148.2	8.5	1845 2 US-07-732-962A-1	Sequence 1, Appli
16	148.2	8.5	1845 6 PCT-US92-0016-1	Sequence 1, Appli
17	148.2	8.5	2158 3 US-09-949-016-1192	Sequence 1192, Ap
18	148.2	8.5	2158 3 US-09-949-016-1193	Sequence 1193, Ap
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20	148.2	8.5	2256 2 US-08-370-156-1	Sequence 1, Appli
21	148.2	8.5	2256 3 US-08-814-095-1	Sequence 1, Appli
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28	148.2	8.5	5767 3 US-09-810-861B-3	Sequence 4, Appli
29	148.2	8.5	14446 3 US-09-810-861B-4	Sequence 12934, A
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32	137.2	7.8	35060 3 US-08-014-035-7	Sequence 12297, A
33	129.8	7.4	10827 3 US-09-949-016-12297	Sequence 1, Appli
34	126.4	7.2	3113 3 US-10-020-415A-374	Sequence 374, App
35	126.4	7.2	3113 3 US-10-020-415A-374	Sequence 8, Appli
36	124.4	7.1	2184 2 US-08-045-030-8	Sequence 2, Appli
37	124.4	7.1	2184 2 US-08-045-030-8	Sequence 12, Appli
38	124.4	7.1	2375 3 US-09-949-016-3976	Sequence 5, Appli
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41	124.4	7.1	2428 3 US-08-070-223-12	Sequence 1, Appli
42	124.4	7.1	2487 3 US-08-069-611C-5	Sequence 1, Appli
43	124.4	7.1	2734 3 US-09-569-611C-6	Sequence 1, Appli
44	124.4	7.1	2811 3 US-09-569-611C-6	Sequence 1, Appli
45	124.4	7.1	3018 2 US-08-347-718B-3	Sequence 1, Appli

## ALIGNMENTS

RESULT 1  
US-09-999-833A-253  
; Sequence 253, Application US/0999833A

PATENT NO. 6916648

GENERAL INFORMATION:

APPLICANT: Ashkenai, Avi

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hans-Peter

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Guiney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Klijavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas P.

APPLICANT: Roy, Margaret Ann

APPLICANT: Sheldon, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

FILE REFERENCE: P26301055

CURRENT APPLICATION NUMBER: US/09/999, 833A

CURRENT FILING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: 09/1918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21





CURRENT APPLICATION NUMBER: US/10/020, 445A  
 CURRENT FILING DATE: 2001-10-24  
 PRIOR APPLICATION NUMBER: 09/916585  
 PRIOR FILING DATE: 2001-07-30  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
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 PRIOR APPLICATION NUMBER: 60/084627  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/084643  
 PRIOR FILING DATE: 1998-05-07



US-09-595-682B-20

Query Match 24.4%; Score 427.2; DB 3; Length 1717;  
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 Qy 208 CCCATCCAAGTCTTTAGGACTCCCTCTCAGACCTCTCTAGGTATCTTCAGGTT 267  
 Db 146 CGCTGGCCGTCTTCCTGGAGTCCGCCTTCGCAAGCCCTCTGGATCTTGAGTT 205  
 Qy 268 GACCTCCGAGAACCCTGGASCCCTGAAAGAAATCGAGATGCTAACCGCT 327  
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 Qy 328 GGTGCTGCTGCGAGAGTC--CTGGCGAGTGGCTGAGTACCTCAGCACCGGAA 384  
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 Qy 385 CGTACAGTGGCTGCCTCGAGGAGACTCTGAGCTACCTCAGCACCGGCG 444  
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 Qy 445 CGCGCGCGCGAGATCCCAAGTGGCTGAGTGTGAGCTTCGAGCGCG 504  
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 Qy 505 GGGGCGCTGCTCTGACGGGCTGACTTGCGGCGAGAAGTGGCTG 564  
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 Qy 625 CGCGGAAGCTGGGGCTGCTGAGCAAGATGCGGGCTGCGGGAGACATC 684  
 Db 566 CGAGGAGACTGGGCTACTGACCAAGTGGCTGAGCTGGCTGAGACATT 625  
 Qy 685 GAGCCTTGGGGAGACCGAAGAATGCGCTGTCGCCAGTGGGGGGCATG 744  
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 Qy 745 AGCATCTGAGCTGATGATGTCACCCCTAGGCTCGGGCTTCATCGGCCATTCC 804  
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 Db 746 GAGAGTGGCTGACCCCTCTTCACTGAGAACAGTCCTGGTGG 805  
 Qy 865 AAGGTGCGCAACTGCTGGTGGATCAACCAACAGACAGATCCGTAACTCGCT 924  
 Db 806 AAATTCGATGAGCTGGTGTAAACCAACACCTGGCTGATGGTCACTCCGT 865  
 Qy 925 AGGGCACTATCGGGACCAAGGTGATCGCTGTCACAGATGATCCCACTG 984  
 Db 866 CCCAGAGAGAGAAGGAGAAATCATGGGGAGATGAAATTGGCTTA 925  
 Qy 985 AACTCCAGAGAGACCCCGAGAAGGATTATCTGTCATGAGCCCTGGTGGATGGTG 1044  
 Db 926 GATCTAGTGGGACCCCAAGAGAACCCGGCTCTCGACCACTGATGGGTG 985  
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 Db 1046 ATGGTGGGAAATCRACCGCAAGTGGTGGTGGATATCCCATGAAATCTGGCTAT 1105  
 Qy 1165 CTAAACCGCAGCGGA---TGAGAAAGAAACCATCACTAAGATGCTGGTACCGC 1221  
 Db 1106 CGACTCTGAGGCAACTGACCGAGAGAGAGCTACAGAACTCTGGAGTCTAC 1165

RESULT 4  
 US-09-264-737-3  
 ; Sequence 3, Application US/09264737A  
 ; Patent No. 610759  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Feng, Paul C.C.  
 ; ATTORNEY OR AGENT: Ruff, Thomas G.  
 ; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via  
 ; FILE REFERENCE: Expression of Esterase Enzymes  
 ; CURRENT APPLICATION NUMBER: US/09/264,737A  
 ; EARLIER APPLICATION NUMBER: 60/077,377  
 ; EARLIER FILING DATE: 1998-03-10  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: PatentIn Ver: 2.0  
 ; SEQ ID NO: 3  
 ; LENGTH: 1701  
 ; TYPE: DNA  
 ; ORGANISM: Rabbit  
 ; US-09-264-737-3

Query Match 24.2%; Score 424; DB 3; Length 1701;  
 Best Local Similarity 57.0%; Pred. No. 1.6e-103; Matches 860; Conservative 0; Mismatches 635; Indels 15; Gaps 4;  
 Qy 208 CCCATCCAAGTCTTTAGGAGTGGCTCCCTTCAGACCTCTCTAGGTACCTCG 267  
 Db 139 CCCGGCGCGCTCTGGAGTCCTCGCCAGCCCTCTGGATCCCTGAGTT 198  
 Qy 268 GCACCTCCAGACCCGGAGGCGCTGAGAAGTCAAGAGATGCTACCCCTACCGCT 327  
 Db 199 GCACCAACAGCTGGAGAATCATGAGCTGAGTGGTACCCCTACCTCC 258  
 Qy 328 GGGGCTGAGGAGTC--CTGGGCCAGCTGGCTGAGTGTGAGTCTAC 384

Db 259 ATGAGCTCCAGGAGCAGTATCAGGGCATATSCCTCGGAGCTTCACCAACAGAAA 318  
 Qy 385 CGGTACAGTGCTGGCTTCAGGGAGACTGTCGTACCTGAACTGTTACCTGAATTTACCCCTCT 378  
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 Qy 445 CGCGCGCGGGATCCCTCAGCTGCCAGTGTACCTGAACTGTTACCTGAATTTACCCCTCT 504  
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 Qy 505 GTGGGGCGCTCTTCTGACAGGGCTGAGCTGTCGTACCTGAACTGTTACCTGAATTTACCCCTCT 564  
 Db 439 GTGGGGAGGAGTACACATTGATGAGGCTGCTCTTCTGAGGAGGTGTCATG 498  
 Qy 565 GTGTTCTGACGACAGGCTGGGATCTGGCTTCAGAGGACACAGCACCG 624  
 Db 499 GTGACCATTCAGAACCGCTGGGATCTGGGATCTGGCTTCAGAGGACACAGCACCG 558  
 Qy 625 CGCGGAACTGGGGCTGCTGGGATCTGGCTTCAGAGGACACAGCACCG 684  
 Db 559 GAGGGAACTGGGGTCACTTGACCCAGGCTGGGCTGGGATCTGGCTTCAGAGGACACAGCACCG 618  
 Qy 685 GAGCCCTGGGAGGACCAAGAACTGACCTGTCGGCTGGCTGGGAGGACCTG 744  
 Db 619 GGCACACTTGGGGAGGACCAAGCTGGCTGGCTGGGATCTGGCTTCAGAGGTC 678  
 Qy 745 AGCACTCAGGACTGATGTCACCCCTAGGGCTCTTCATGGCCATTCC 804  
 Db 679 AGTCCTCATCCCTTATTAATCCCTCTGAGGAGCTGGGCTCTTCATGGCAATTCC 738  
 Qy 805 CAGAGTGGCACCGGGTTATGGACTGACTTTCATCACTGAAAGGAGGCGAAG 864  
 Db 739 GAGAGTGGCCTCCCTCAGCTCTCAGGAGAACCAAGGACACAGCACCG 798  
 Qy 865 AAGGGTGGCCACCTGGCTGGATGACACACAGGACACAGGACCTGCTGTCATGCTG 924  
 Db 799 AAAATGGCATCTGAGCTGGTGAACACCACCTCGCTGTCATGGTCACTGCTG 858  
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 Db 859 CGCCAGAAGAAGAGGAGACTCATGGAGGATGAAATTAATGCTTA 918  
 Qy 985 ACTTCCAGGAGAGCCGGAGAGGATTATCTGGTCATGGCTGTGGAGATGGTG 1044  
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 Qy 1045 GTGATCCAGGAGGAGACTCATGGAGGATGAAATTAATGCTTA 1104  
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 Qy 1105 CTTCAGGAGTCAACCTGGATTAATGCTGCTGTGCTTATCATGAGTTCCG 1164  
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 Db 1219 ACAGATGACCTGTCAAAGA---AACAGTTCCTGGACATGTCGACATTG 1272  
 Qy 1342 ACTTGCTGTAATGCCAACCTGAGCTGACTCAGTGGCTTCAGGAGTTAGAGG 1401  
 Db 1273 TTATTCGTCATGTCGAGTGGCTCTCAACAGAGACCTGAGCCACCC 1332  
 Qy 1402 TACCTTGTGATGAGCACACGCTG---TGGATATMVOGTCAAACCCGCACTGAT 1458

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Db 1333 TATATGTTGAGTATGCTATGCCCCAGCTTCATCAGACATGAGACCAAGACAGTG 1392  
 Qy 1459 GGGCAGGCCATGGGGTAGAGTGACTTCCTTGGGCCCTTCGCCACAGGCC 1518  
 Db 1393 ATAGGGGACCATGGAGGAGTCTCTGCTTCTGTTAGGAGCCCGTTTAAGAGGGT 1452  
 Qy 1519 TCCATGCTAAGGAGACGACTGAGCTTCAGATGATGAACTGTTACCTGCTC 1578  
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 Qy 1699 GCTTTTGA 1708  
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RESULT 5  
 US 10-019-219-6  
 ; Sequence 6, Application US/10019219  
 ; Patent No. 6875844  
 ; GENERAL INFORMATION:  
 ; APPLICANT: RONSIN, CHRISTOPHE  
 ; APPLICANT: SCOTT, VERONIQUE  
 ; APPLICANT: TRIEBEL, FRÉDÉRIC  
 ; TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE  
 ; FILE REFERENCE: 056691-0253  
 ; CURRENT APPLICATION NUMBER: US/10/019,219  
 ; CURRENT FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: PCT/FR00/01791  
 ; PRIOR FILING DATE: 2000-06-27  
 ; PRIOR APPLICATION NUMBER: FR 99/08224  
 ; PRIOR FILING DATE: 1999-06-28  
 ; NUMBER OF SEQ ID NOS: 8  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 6  
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 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(1677)  
 ; US-10-019-219-6

Query Match 18.2%; Score 319.2; DB 3; Length 1680;  
 Best Local Similarity 54.0%; Pred. No. 2.2e-75; Mismatches 643; Indels 63; Gaps 6;  
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Qy 187 CAGATGCTATGGGGAGAGACCCATTCAGTCTTGTAGGAGTCCCTCTCCAGACCT 246  
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 Qy 247 CCTCTAGATTCCTCAGGTTGACCTCTGGAGACCCCGAGCCCTGAGAAGGATAGA 306  
 Db 199 CCTCTAGATTCCTCAGGTTGACCTCTGGAGACCCCGAGCCCTGAGAAGGATAGA 258  
 Db 307 GATGCTTACACCTCCGGCTGCTGGCTGGGGAGGCTGGCTGGCTGGATG 366  
 Db 259 GATGAAACCCATGGGCTGCTGGAGCTACCCGAGCTGGCTGGAGTGGAGTCAAGTT 318  
 Qy 367 TAGTCAGCAAGGGAGACGGTACAGTGGCTGCCCTCAGGAGGAGCTGTACTG 426  
 Db 319 CTTAGCCAGTCACATGACTCTCCCTCGCTGACTTCATGTCAGGAGCTGGCTFACTC 378  
 Qy 427 AACGTTACCGCCGGCCGGCCGGCTGGAGCTGGCTGGAGTGGCTGGT 486

438	Db	QY	487 CGCGGAGGCCCTTATCGGGGCTGCTGAGGCTCAGCTGGCC 546
439	Db	QY	499 TTGGGAACTGTGGTGTGTCATCTCCAGTACCCCTGGCTCTGAGC 558
547	Db	QY	507 ACGGAAGCTGGCTGGTTGCACTGGGGCTCTGGGGCTACTGGGC 606
559	Db	QY	515 ACTGGAGACAGGCGAACACGGCAACTGGGGCTACTGGGC 618
667	Db	QY	523 TGGGTCAGCGAGAAATCGGGGAGCTGGGGCTCTGGGGCTCTGAGC 558
619	Db	QY	531 TGGGTCAGCGAGAAATCGGGGAGCTGGGGCTCTGGGGCTCTGAGC 666
727	Db	QY	539 TTCCATGGGGCCATTTCAGGGCATCTAGGAGTGTAGTGTGACCCCTAGCTGGCTCTGAGC 786
679	Db	QY	547 GAGTGTGCGGGTGCAAGGAGTGTGAGCTGGGGCTCTGGGGCTCTGAGC 786
787	Db	QY	557 TTCCATGGGGCCATTTCAGGGCATCTAGGAGTGTAGTGTGACCCCTAGCTGGCTCTGAGC 786
739	Db	QY	565 TTCCATGGGGCCATTTCAGGGCATCTAGGAGTGTAGTGTGACCCCTAGCTGGCTCTGAGC 786
847	Db	QY	573 CCACTGAAAGTGGGAAAGAGGTTCCACCTGGCTGATCACACACGGACAG 906
799	Db	QY	581 GCTGTGTCATCTCCACGGTGTGGTACCAACCTGTGTGCTGCTGACTGTGAGC 846
907	Db	QY	589 ATCCCTGTAACTCTGAGGGCACTATCGGGACCAAGGTGATCGTGTGTCACATGAGCTA 798
859	Db	QY	597 GCCCTGGTGGCTGCGGG-----GCAAGAGTAAG 892
967	Db	QY	605 ATGAAATTCTCCAACTGAACTTCCAGAGAGACGGGAAGAGATAATCGTGTGTCATGAGC 1026
893	Db	QY	613 AGGAGTCTGCAATT-----AAGAACCTTCAGATGATCCCC 933
927	Db	QY	621 CCTCTGGGATGGTGGTATCCAGATGACCCCTGGTGTGCTGACCCAGGGAG 1086
934	Db	QY	629 GGAGTGGTGTGGTACGGGCTCTCCACCCAGGACCCCCAGAGCTGTCTGGCTCTGGCAC 993
1087	Db	QY	637 GTTCACTCTGCCCTACCTCTGGTGTACACACCTGGAAATCAATGGCTCTGGCT 1146
994	Db	QY	645 TTTCAGCCCTCCCTAGATGTTGGTGTACACACANTGAATTGGCTGGCTCATCCC 1053
1147	Db	QY	653 TATATCATGGAGTCGGCTAACCGGGAGGGATGAGAAAGGAAACCATCAATAGAT 1206
1054	Db	QY	661 AAGCTATGAGGATCTATGATACCCAGGAAAATGGAGAGGGCTCCAGGTGT 1113
1207	Db	QY	669 CTCTGGAGTACCCGACCTGGTGTGATATCCACCAAGGAGCAGCTTACCTCTGGAG 1266
1114	Db	QY	677 CTGCAGAAATGTGTACGGTGTGTGTGTGCTCTCATTTGGTACCTGTGTGAGG 1173
1267	Db	QY	685 GAGTCTGGAGATGTCAATGGAGATGAGCTGGGGATGCTACAAACGGTATGTGGAC 1326
1174	Db	QY	693 1327 ATAGTCAGATGGCACTTTCGGTGTATGGCAACTGCACTCTCACTAACCGGAT 1227
1228	Db	QY	701 1444 AAACCCGACTGTGGGAGACATGGGATGAGATGATCTCTCTGGGGGCC 1503
1387	Db	QY	709 1405 AGGCCACCCACATGAAAGCAGACATGAGCTCTCTGGGGGCC 1503
1285	Db	QY	717 TT-----GCCACGGCCCTTCACTGGTAAAGAAGGCACTTAGGCTCCAGATGAT 1557
1404	Db	QY	725 1504 TT-----GCCACGGCCCTTCACTGGTAAAGAAGGCACTTAGGCTCCAGATGAT 1464

RESULT 6  
US-09-949-016-3799  
; Sequence 3799, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-03-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FASTSEQ For Windows Version 4.0  
; SEQ ID NO 3799  
; LENGTH: 2117  
; TYPE: DNA  
; ORGANISM: Human  
;  
US-09-949-016-3799

RESULT 7  
US-09-949-016-555  
; Sequence 555, Application US/09949016  
; Patent No. 6612339  
; GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: C1001307  
CURRENT APPLICATION NUMBER: US/09-949-016  
CURRENT FILING DATE: 2000-04-14  
PRIORITY APPLICATION NUMBER: 60/241,755  
PRIORITY FILING DATE: 2000-10-20  
PRIORITY APPLICATION NUMBER: 60/237,768  
PRIORITY FILING DATE: 2000-10-03  
PRIORITY APPLICATION NUMBER: 60/231,498  
PRIORITY FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SEQ ID NO 555  
LENGTH: 2169  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-555

Query Match	Score	DB	Length
Best Local Similarity	18.2%	3;	2169;
Matches	828;	Conservative	54.0%; Pred. No. 2.4e-75;
	0;	Mismatches	643;
		Indels	63;
		Gaps	6;
Qy	187	CAGATCGATGTTGGAGACACCACTTCAAGTGTGTTGAGTCCTCCAGACT	246
Db	195	CATGTGAGGGCCCATTCGCCCGGTCCAACTTCTTGGAATTGCAATTGCAAGCA	254
Qy	247	CCTCTAGATCTCAAGTTTCACTTCAACCTTCAGGTTTCAAGACCGCCGAC	306
Db	255	CCCTCTAGTCGCTGCATTTCACCCCTTGAGCCCTTGATCTGGAGTTGGTGAGG	314
Qy	307	GATCTTACCACTTACCCCTGGGTGCTGTCAGGAGTCCTGGCCACCTGGCTCGAT	366
Db	315	GATGGAACCACTTCACTCGGCATGTGCTTAAGGACCTTCAGGAGTCAGAGTT	374
Qy	367	TAGTCAGCAACGGAAAGGTTCAAGTGTCTGCTTCAGGAGCTTCGAGTC	426
Db	375	CTTAGGCCAGTTCACATGACTCCTCCCTCCGACTTCATGCTTGAGACTCTGAC	434
Qy	427	AMCGTGTACGCCGGCGCCGCGCGCCCGGGATCCCCAGCTGGCAGTGTGTC	486
Db	435	ASCATCTACACGGCCCATAGCCATGAGGCTTAACCTGGGTGAGGTTGATC	494
Qy	487	CCGGAGAGCCCTCATGGGGCTCTCTGAGGGCTCTGACTTGGCCGC	546
Db	495	CAGGTGTTGCGTGTGTTGCTGACTTCCCTGTAATGATGGTCCATGCTGCTGC	554
Qy	547	CGGGAGAGAATGGTGTGCTGCTGAGCTGGGAGCTGGGAGCTGGGCTG	606
Db	555	TTGGAGAAGCTGGTGTGCTCATCTCCAGTACCCCTGGTGTCTGGCTCTCAG	614
Qy	607	ACGGAGAGGCCAGGGGAACTGGGAGCTGGGAGCTGGGCTG	666
Db	615	ACGGAGAGAACGGCAACTGGGAGCTGGGAGCTGGGAGCTGGGCTG	674
Qy	667	TGGTCAAGAGACATCCAGCTTCGGGGAGCCAGGAATGTGACCTGTGCG	726
Db	675	TGGTCAAGAGATATGCCCACTTGGGACCCATGGGACCTTGACCTGTGACTT	734
Qy	727	CAGTGGGGGGGACATGAGCTCAGGAGTGTGAGTGTGACCCCTAGCTGAGTC	786
Db	735	GAGTCGG	794
Qy	787	TTCATCGGGGCCATTCCCAGAGTGTGCTGAGCTCAGGAGTGTGAGTGTGCT	794
Db	795	TTCAGGG	794
Qy	847	CCACTGAAAGTGGCCAGAGGGTCCACCTGCTGAGTGTGAGCTTCACTGAA	906
Db	855	GCTGATGTCATCTCCACGGTGTGCTGACCAACTCTGTGCTGACAGTGTGAG	914
Qy	907	ATCTGGTAACCTGGTGGGGCACTATCGGGGCAAGGGTGTGACAG 966	966
Db	915	GCCTTGG	948
Qy	967	ATGAGATTCTCCAACTGAACTCCAGAGAGACGGTGTGACAG 1026	1026
Db	991	GG	989
Qy	999	GGAGTGGTGTGATGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1049
Db	1087	GTTCATCTGTCCTGCCCCACTCTCTAGTGTGTTGAGTGTGCTGCTGCT	1146
Qy	1050	TTTCGGCTGCTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1109
Db	1147	TATATGAGTGGTCCGGTAAACCGGAGGGATGAGAAGGAAACCATCAAGAT	1205
Qy	1110	AAGGTGATGAGGATATGATACTGAGAAGGAAATGACAGAGAGGGGGGGGG	1169
Db	1207	CTCTGGAGTACCCGACCCCTGGATATCACCAGGGGGTACACTTGTTGGAG	1266
Qy	1170	CTGCGAGAAAATGTTAACGGTGTGTTGCTCTTCACTTGTGTTGAGGG	1229
Db	1267	GAGTCACTGGACAATGTCATAATGAGGATGACTGGAAGATGTCAGGAC	1326
Qy	1230	GAGT-----ACATGGGACATGGGATCCAGACCCCTCAAGGGAGTTCAGG	1283
Db	1327	ATAGTCAAGATGCACTTGTGTTGAGTGTCTACTACACCGAT 1386	1386
Qy	1284	ATGATGGGGACTCTCTGGTGTGTTGATGGTCTCTGGGGGGGGGGGGGG	1340
Db	1387	GGCGGCTCCCTGTTACTCTGATGATGAGCCACGGCTGGTGG-----ATAATGTC	1443
Qy	1341	TCCCGGCGCCCTGTGTTACTCTGACTGTTCACTGTCAGCCAGCTGCTGAGACATC	1400
Db	1444	AAACCCCGCACTGATGGGGAGACACMGAGGGATGAGGTGTACTTCTCTTGGGGCCC	1503
Qy	1401	AGGCCACCCACATGAGGAGACACGATGGTGTGTTCTTCAAGGAGGATGTC	1460
Db	1504	TT-----CGCACAGGCCTTGTGTTGAGGAGGAGGACTTACCTCCCTCAAGATG	1557
Qy	1461	TTGG	1520
Db	1558	AAATCTGGGCAACTTGTGCGGAGACCCATGATGAGAATCTGCCCTGCG	1617
Qy	1521	AAGTACTGGGCAACTTGTGAGAATGGGACCCATGGGAGCTGCTGAGTC	1580
Db	1618	CCAGCTACACAGGATGAAAGTACTCTGAGGAGGAGGAGGAGGAGGAGGAGG	1677
Qy	1581	CGCTGTTGACCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1640
Db	1678	AAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1711
Qy	1641	GCTCTGAGGGCCACAGGCTCAGGTTCTGGAGGA	1674

FILE REFERENCE: SJ-0005

CURRENT APPLICATION NUMBER: US 09/595,682B

CURRENT FILING DATE: 2000-01-16

PRIOR APPLICATION NUMBER: 60/075,258

PRIOR FILING DATE: 1998-02-19

PRIOR APPLICATION NUMBER: PCT/US99/03171

NUMBER OF SEQ ID NOS: 30

SEQUENCE ID NO: 27

LENGTH: 2191

TYPE: DNA

ORGANISM: Homo sapiens

US-09-595-682B-27

Query Match 18.2%; Score 319.2; DB 3; Length 2191;

Best Local Similarity 54.0%; Pred. No. 2.4e-75;

Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

QY 1087 GTTCACTGTCGCCACTCTCTCGCTGCACCTGTGCTGACAGTGTGACTGTGAG 914

Db 915 GGCCTGGTGGCCTGGCTGCAG 966

QY 967 ATGAGATTCCCTCAACTGCTGAGGGCAATATCAGGGCAAGGGTATCGGTGTTGCCACAAAG 948

Db 949 AGGAGATTCTCTGCAATT-----AACAGCTTCAGATGTCCTCCCC 989

QY 1027 CCTGTTGGTGTGATGGTGATCCAGATGACCCCTTGCTGACCCAGGGAG 1036

Db 990 GGAGTGTGGTGGATGGCTCTCTCGCTGCACAGGCCACCCAGGGCTGTGACCTCTCGCAC 1049

QY 1050 TTTCAGCTGGTGGCTCTAGCTTCTAGGTGCTACACACCTGGATTAATGGCTCTGCT 1146

Db 1110 AAGGCTATGGGATTTATGATACCCAGAATAGACAGAGGACCTCCAGCTGGCT 1109

QY 1147 TATATCATGAGGTTCCGCTAACCGCAGGGATGAAGAAGGAAACCATCACTAGATG 1206

Db 1207 CTCTGGTGGTGGCTGGCTACAGCTGTTGCTGACCTCTGGATTAATGGCTCTGCT 1169

Db 1170 CTGCAAGAAATGTTAACGGCTCTGATGTTGCTCTTACATTGGTACCTGTGAGGG 1229

QY 1267 GACTTCTGGGACAATCTCAAAGGATGACTGGAAATGCTTACGAAACCTATGAGGAC 1326

Db 1230 GAGT-----ACATGGGAAATGGGATCCCGACCTGGCTGGAGCTGGTCCAGG 1283

QY 1327 ATAGTCAAGAGTGCCTTCTGGTATGCCACACTCAGCTGCTACTACCAACGAT 1386

Db 1341 TCCCGGCGCCCTGTACTCTTACGGCTTCCAGCTAACGGCTGGCTCAAGACATC 1400

QY 1444 AAACCGGACTGATGGGGGACCTGGGATGAGTACTCTCTGGGGCCCC 1503

Db 1401 AGGCCGCTCCTGTTACCTGTTATGGCAACAGCTCGTGG-----AATAATGTC 1443

QY 1504 TT-----CGCACCGCCCTTCCTGGTGGAGGAGGACTTGTGCTCCAGTGATG 1557

Db 1461 TTGGGGGCAACTAACTAAATCTGAGGGAGGGAGGAGCTGAGGAGTGTGATG 1520

QY 1558 AAATCTGGGCAACTTGTGCCGCAAGGAACCCCAATGATGCGATCTGCCCTGCG 1617

Db 1521 AAGTACTGGGCCACTTGTGCGAGAAATGGGAAACCCCAATGGCGAGGTCTGGCAACTGG 1580

QY 1618 CCACGCTACACAAAGATGAAAGGACTGGAGCTGATTTACACAGAGTGGCATG 1677

Db 1581 CGCGCTTGTGCGACGAGGCAATCTGCGCTGACCTACACCTGGCG 1640

QY 1678 AAGCTCAAGGAGAGAGAGATGCTTGTGATG 1711

Db 1641 GCTCTGGAGGCCCAAGGCTCAGGTCAGTCTGGAGA 1674

RESULT 8

US-09-595-682B-27

; Sequence 27. Application US/09595682B

; GENERAL INFORMATION:

; APPLICANT: Danks, Mary K.

; APPLICANT: Potter, Philip M.

; APPLICANT: Houghton, Peter J.

; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of Tumor Cells











NAME: White, John P.  
 REGISTRATION NUMBER: 28-28-678  
 TELECOMMUNICATION NUMBER: 39304/JPN/LSW  
 TELEPHONE: (212) 664-0725  
 TELEFAX: 422523 COOP UU  
 INFORMATION FOR SSO ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1845 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 1..1842  
 US-07-732-962A-1

Query Match 8.5%; Score 148.2; DB 2; Length 1845;  
 Best Local Similarity 48.3%; Pred. No. 1.7e-29; Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;

Qy	208	CCCATCCAAGCTCTTCTAGGAGTCCCCTTCAGACCTCTTAGGTATCTCAGGTT	267	Db	1033	GTCGATGGTGTGATCCAGATGACCCAGGGCTTGTGCTCTGACCAAGGGAGCTTCA	1032
Qy	175	CCTGTCTCTGCTTCTCTGGATCCCTTGCGAGCACCTGACCGCGTGCATT	234	Db	1000	GTAGATGGAGACTCTAGTGAACCCAGGGCTTATCAAGGGAGACTTCCAC	1059
Qy	268	GCACCTCCAGAACCCCCGAGGCCCTGAAAGGAAATCAGAGTCTACACCTACCCGCT	327	Db	1093	TCTGTGCCACTCTCTAGGTGTCACACCTGAAATCAATGCTCTGCTCTATTC	1152
Qy	235	CTGCCACGAGCCAAAGCAGCTTGTCTAGGGGGTAGACCTACACCTCCAGGT	294	Db	1060	GCCTGCAAGTGTCTAGTGTAGGGTGTGAGGATGAGGTAGAGGTGAGGGCTGTA	1119
Qy	328	GCCTGCCTGAGCTGAGCTGGAGCCAGCTGGCTGAGCTGAGTGTCTACAGGGAGCG	387	Db	1153	ATGAGTTCCGTAACCGGAGGGATGAGAAAGAACATCACTAAGATGCTCTGG	1212
Qy	295	GTCGTCTACAAATATGT---GGAACCTATAACCGTTCTAGGGACCGAGATGTTG	351	Db	1120	GCCCGAGGTTCTAGCAAGACACAGGTCTCTCATCGGGGGAGCTCTGCCGG	1179
Qy	388	TCAAAAGTGTGCTTCAGGGAGCTGCTGAACTGTGAGCTGGAGGGGGGGGG	447	Db	1213	ATGACCCGACCCCTGTGATATCACCAGGGAGGGTACCTAGCTGAGGAGTAC	1272
Qy	412	TACATCCCCACCCCTGTCTCTGTGATCTATGGGGGGCTCTACAGT	468	Db	1180	GTGGGGGTGGGTCCTCCAGGTAGTGAACCTGGCAGCGGGCTGTGCTCTG	1239
Qy	508	GCGCT	561	Db	1273	CTGACACANTCTCATGAGCATGACTGGAGATGTACGAAACCTATGATGACAT	1332
Qy	469	GAGGCT	528	Db	1240	AACGACTCTCTGCTCCAGGACCCGCTGAGCTGCTGAGTGTGAGTGTG	1299
Qy	352	AACCCACACCTGCTAGCTAGGGAGACTGCTCTACCTCAAGCTGTGAGACCATACCC	411	Db	1333	CAAGATGCCACTTGTGATGCCACACTGCGAGACTGCTCACTACACGGAGTCCC	1392
Qy	448	GCCCCCGGGATCCCACTGCGCTGGATGATGTTGTTGTCGCCGGGGCTCATCTG	507	Db	1300	GGGACCACTAACTGCTGGCCCGCTGGCTGGGGACTGCTGCCAGGT	1359
Qy	417	TGGATGGGGTGCCTACGGCTGGGGTGGGGCTTGGGGCCCTT---CGCC	1452	Db	1393	CTCCCTGTCTACCTGTATGAAATTGAGCACCAACCTCTGGATAATCTCAACCC	1452
Qy	1510	ACAGGCTTTCATGGTAGGAGAGGACTTACGCTCTGAGTGTGAAATCTGGGCC	1569	Db	1360	GCCCCGGTCTACGCTTCTTGAACACCGTC---TTCAGGCTCTCTGACCCCTG	1416
Qy	1477	TCTGAAACTACAGGGAGAGGAAATTCTCCCAACGACTGTGCGATACTGGCC	1536	Db	1453	ATGATGGGGGACCCATGGGGTGGGGCTTGGGGCTTGGGGCTTGGGGCTT	1509
Qy	1570	ACTTTGCCGACAGAAACCCAAATGA	1598	Db	1417	TGGATGGGGTGCCTACGGCTGGGGCTTGGGGCCCTTGGGGCTTGGGGCTT	1476
Qy	1537	ACTTTGCCGACAGAAACCCAAATGA	1565	Db	1510	ACAGGCTTTCATGGTAGGAGAGGACTTACGCTCTGAGTGTGAAATCTGGGCC	1569
Db	529	CTGGTGTCTCATGACTTACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	588	Db	1477	TCTGAAACTACAGGGAGAGGAAATTCTCCCAACGACTGTGCGATACTGGCC	1536
Db	620	-ACGGCGCGGGGACTGGGGCTCTGGGACCAATGAGGGCTGGGGGGGGGG	678	Db	1570	ACTTTGCCGACAGAAACCCAAATGA	1598
Db	589	GAGGCCCCGGGCAATGAGGTCTCTGATCAGAGGCTGGGGGGGGGGGGGG	648	Db	1537	ACTTTGCCGACAGAAACCCAAATGA	1565
Db	679	AACATCGCAGCTCTGGGGGAGCCAGGAATGTTGACCTGTTGAGGGGGGG	738	Db	973	TTCCTCCAACTGAACTTCAGGAGACCCAGGGAGATTATGCTCTGATGACCTG	1032
Db	649	AACGGGGCAGCTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	708	Db	942	-CCAGGAATGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	999
Db	739	GCATGAGCATCTCAGGACTGTGATGTCACCCCTGGCTGGCTCTTCCATGGCC	798	Db	1033	GTCGATGGTGTGATCCAGATGACCCAGGGCTTGTGCTCTGACCAAGGGCT	1092
Db	709	GGCGCTCTGG	768	Db	1000	GTAGATGGAGACTCTAGTGAACCCAGGGCTTATCAAGGGAGACTTCCAC	1059
Qy	799	ATTCCCGAGATGG-----CACCCTGTTTCACTCTGTTGACCTGACCTG	852	Db	1093	TCTGTGCCACTCTCTAGGTGTCACACCTGAAATGCTCTGCTCTGCTCTATTC	1152
Db	769	GCTCTGGAGGGCTGCCCAATGACCTGGGGGGGGGGGGGGGGGGGGGG	828	Db	1060	GCCTGCAAGTGTCTAGGGGGTAGACCTGGGGCTGTTGTTGTTACGGGG	1119
Qy	853	AAGTGGCAAGGAGGTTGGCCACCTGGCTGACCAACACACACACAGATCTG	912	Db	1153	ATGAGTTCCGTAACCGGAGGGATGAGAAAGAACATCACTAAGATGCTCTGG	1212
Db	829	CGGAGGGCACGCGAGCTGGCCACACCTCTGGGGCTCTCCAGGGGGGGGG	888	Db	1120	GCCCGAGGTTCTAGCAAGACACAGGTCTCTCATCGGGGGAGCTCTGCC	1179
Qy	913	GTAAACCTGAGGGCACTATCAGGACCAAGGTTGAGCTGTTGTCACAGATGAGA	972	Db	1213	ATGACCCGACCCCTGTGATATCACCAGGGAGGGAGGGTACCTGTTGAGGAGTAC	1272

Search completed: December 29, 2005, 03:28:28  
 Job time : 365 Secs

Copyright (c) 1993 - 2005 Compugen Ltd.	GenCore version 5.1.6			
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Perfect score:	3112			
Sequence:	1 MPSTVLPSTVPLPSLLPTAGA.....KMAFWMSLYQSQRPKQRQF 584			
Scoring table:	BLOSUM62			
Searched:	Gapop 10.0 , Gapext 0.5			
Total number of hits satisfying chosen parameters:	572060			
Minimum DB seq length:	0			
Post-processing:	Minimum Match 0% Maximum Match 100% Listing first 45 summaries			
Database :	Issued Patents AA,* 1: /cgm2_6/podata/1/iaa/5_COMB.pep:/* 2: /cgm2_6/podata/1/iaa/6_COMB.pep:/* 3: /cgm2_6/podata/1/iaa/H_COMB.pep:/* 4: /cgm2_6/podata/1/iaa/PCTUS_COMB.pep:/* 5: /cgm2_6/podata/1/iaa/RE_COMB.pep:/* 6: /cgm2_6/podata/1/iaa/batchfilesl.pop:/*			
Pred. No.	No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.			
SUMMARIES				
Result No.	Score	Query Match Length	DB ID	Description
1	2026.5	65.1	545	2 US-09-999-823A-254 Sequence 254, APP
2	2026.5	65.1	545	2 US-10-020-445A-254 Sequence 254, APP
3	1266.5	40.7	566	2 US-10-049-113A-21 Sequence 1, APP
4	1260	40.5	565	2 US-09-595-682B-21 Sequence 1, APP
5	1251.5	40.2	566	2 US-09-264-771-2 Sequence 2, APP
6	1230	39.5	543	2 US-09-595-682B-26 Sequence 2, APP
7	1169.5	37.6	584	1 US-08-245-298A-2 Sequence 2, APP
8	1169.5	37.6	584	2 US-09-140-933-2 Sequence 2, APP
9	1169.5	37.6	584	2 US-09-146-661-2 Sequence 2, APP
10	1169.5	37.6	584	2 US-09-150-515-2 Sequence 2, APP
11	1145	36.8	581	2 US-10-023-515-2 Sequence 2, APP
12	1133	36.4	539	2 US-09-264-737-1 Sequence 2, APP
13	1083	34.8	559	2 US-09-535-682B-28 Sequence 2, APP
14	1083	34.8	559	2 US-09-949-016-6426 Sequence 7, APP
15	1083	34.8	577	2 US-09-949-016-6870 Sequence 2, APP
16	1083	34.8	577	2 US-09-949-016-6870 Sequence 26, APP
17	983.5	31.6	454	2 US-08-446-100-26 Sequence 30, APP
18	983.5	31.6	454	2 US-08-446-100-30 Sequence 31, APP
19	983.5	31.6	454	2 US-08-446-100-31 Sequence 27, APP
20	981.5	31.5	454	2 US-08-446-100-27 Sequence 28, APP
21	977.5	31.4	454	2 US-08-446-100-29 Sequence 29, APP
22	977.5	31.4	454	2 US-10-104-047-2219 Sequence 2219, APP
23	956	30.7	469	2 US-10-023-515-4 Sequence 4, APP
24	908.5	29.9	574	2 US-09-491-356C-21 Sequence 21, APP
25	849	27.3	836	2 US-09-491-356C-21 Sequence 22, APP
26	831	26.7	848	2 US-09-491-356C-22 Sequence 8386, APP
27	824.5	26.5	833	2 US-09-949-016-8386 Sequence 20, APP



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; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085573
; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085704
; PRIORITY FILING DATE: 1998-05-15
; PRIORITY APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 2; Length 545;
Best Local Similarity 80.3%; Pred. No. 8.3e-199;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSVTVPSPPLPTAGAGWSMRMLCILMWSLTCIMAQTAFLGALHTKRPQWVYTGLOGKMH 65
Db 47 LGSTSPBATTSPSSPGTGLFGSKPATGFTGTTGNTGALKHTKRPQWVYTGLOCKMH 106

Qy 66 VGTTPQVFLGPPSRPPLGIRFAPPEPPFPFWKGDRATIYPPG----- 110
Db 167 RLTATSA SRVQISLLPOPLSVWGYRCIQLQESNGQASMYVSTERYKWLRFSECDLYKLNVY 226

Qy 146 APARAPGDPOLEVMWPGGARTPGASSYEGSDLAKEKWLVELOHRIGFGEUSTD 205
Db 227 APARAPGDPOLEVMWPGGARTPGASSYEGSDLAKEKWLVELOHRIGFGEUSTD 286

Qy 206 SHARGWGLLDDOMAALEWQENIAARGGDPGVNLFGQSAGAMSISGLMMSPLASGLFHR 265
Db 287 SHARGWGLLDDOMAALRNQENIAARGGDPGVNLFGQSAGAMSISGLMMSPLASGLFHR 346

Qy 266 ASQSGTALPRFITSNPLKVAKVHLAGCHNSTOILVNCALSGTKYMRVSNMRF 325
Db 407 LQNFORDPEETIWMSPVUDGVNIPDPPLVLTQGVSSVYPLGYNLNBNLWLPY-- 464

Qy 347 ATSQSGTALPRFITSNPLKVAKVHLAGCHNSTOILVNCALSGTKYMRVSNMRF 406

Qy 326 LQNFORDPEETIWMSPVUDGVNIPDPPLVLTQGVSSVYPLGYNLNBNLWLPYIM 385
Db 386 KPLNROQARKEITIKOMLWSTTLNITKEQPLVVERYLNDVNNEHDWKMLNRMDIVQ 445
Qy 465 -----NTKEQPLVVERYLNDVNNEHDWKMLNRMDIVQ 499
Db 446 DATFVUATQATMHD 462
Qy 500 DATFVUATQATMHD 516

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RESULT 2
US-10-020-445A-254
; Sequence 254, Application US/10020445A
; Patent No. 6962797
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wai-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guirney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Nabier, Mary A.
; APPLICANT: Pan, James;

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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shalton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acidic Encoding the Same
FILE REFERENCE: P2650PC174
CURRENT APPLICATION NUMBER: US/10/020,445A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078866
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078866
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079556
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333

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; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083515
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084411
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          65.1% Score 2026.5; DB 2; Length 545;
Best Local Similarity 80.3%; Pred. No. 8; 3e-199; Mismatches 5; Indels 26; Gaps 67; Gaps 2;
Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

Qy 6 LPSVTPLSLPLPTAGAGNSMRWLCLWSLTLCLMAQTALGALHTRPOVTTKYGTLQGMH 65
Db 47 LGSTSTPATSAPSSGGFTGLFGSKPMTGFTLGGTNTGALHTKRPOVTTKYGTLQGMH 106
Qy 66 VACTPIQVFLGTPSPRSPRPLGIRFRAPEPPPEPEPKGIRDATTYPPG----- 110
Db 107 VKKTPIQVFLGVPPSRPPLGILRFAPPBPPEPKGIRDATTPPGWMSLSPGSAYARS 166
Qy 111 -----CQBSMQLASNYSTRERYKWLRFSDCLYINY 145
Db 167 RLTATSAKSRRVQASLIPQPLPSVYGRQIQCSEMQSMLASHNYSSTRERYKWLRFSDCLYINY 226
Qy 146 APARAPGDQLPNUVWPGGAFTVGAASSYEGSDLAAREKVULVFLQHRGJFGFLSTD 205
Db 227 APARAPGDQLPNUVWPGGAFTVGAASSYEGSDLAAREKVULVFLQHRGJFGFLSTD 286
Qy 206 SHARGNGLGLDMDAHLRWWOENIAAFGGDPAWTLGQSGAGMSISLMMSPLASGLFHR 265
Db 287 SHARGNGLGLDMDAHLRWWOENIAAFGGDPAWTLGQSGAGMSISLMMSPLASGLFHR 346
Qy 266 A1SQSGTALFRFLITSPLKVKVVAHLGCHNISTQILNLRAISGTKARVSNKRP 325
Db 347 A1SQSGTALFRFLITSPLKVKVVAHLGCHNISTQILNLRAISGTKARVSNKRF 406
Qy 326 LQNFORDPDEETIWMSMSPVUDGVVIPDDPLVLTQKVS,SPYLQGVNNLBNWLJYIM 385
Db 407 LQNFORDPDEGIWMSMSPVUDGVVIPDDPLVLTQKVS,SPYLQGVNNLBNWLJY - 464
Qy 386 KEPLNRMARMKETITOLWSTRTLNITKEPVLVREYLDVNEDWMRNMDDIVQ 445
Db 465 -----NITEQOVPLVVEEYLDVNEDWMRNMDDIVQ 499
Qy 446 DATPVVATLQTAHYRD 462
Db 500 DATPVVATLQTAHYRD 516

```

RESULT 5  
US-09-264-737-2

**RESULT 4**  
US-09-595-682B-21  
; Sequence 21, Application US/09595682B

; APPLICANT: Ruff, Thomas G.  
 ; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via  
 ; FILE REFERENCE: 38-21(1551) RUE3 Pyridine Tolerance  
 ; CURRENT APPLICATION NUMBER: US/09/264,737A  
 ; CURRENT FILING DATE: 1999-03-09  
 ; EARLIER APPLICATION NUMBER: 60/077,377  
 ; EARLIER FILING DATE: 1998-03-10  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 566  
 ; TYPE: PRT  
 ; ORGANISM: Rabbit  
 ; US-09-264-737-2

Query Match Score 1251.5; DB 2; Length 566;  
 Best Local Similarity 43.7%; Prod. No. 3.4e-19; Mismatches 175; Indels 27; Gaps 11;  
 Matches 248; Conservative 117; Mismatches 175; Indels 27; Gaps 11;

Qy 28 LCLMSLTICMAQTAALGALTRKRPQVYTKTGLOCKMVGK-----TPIQVPLGPP 79  
 Db 7 LVM---LRLAACTAWG--HPSAPRVV--DTVKCKVL--GKVELEGFAOPVAVPLGPF 56

Qy 80 SRRPLGLRAPPPEPKGIRDATTPPGCQE-SWGLQASMYSTRERKWLRESE 137  
 Db 57 AKPGLSURFAPPQAPBSSWHSVNTTSPPMCQDASGHMISLEFRKVNIP-LKRESE 115

Qy 138 DCLYLNVTAAPARPGDPOLPVMMPPGAGFTIVASSTEGSDIAAREKVKYLFLHGLI 197  
 Db 116 DCLYLNITTPADLTTRGRKLPMVWIGGGLMVGCASTDIAHENVVVTTIYRLGI 175

Qy 198 PGGLSTDISHARANGGLDQMLAHLWQENIAFGGDGVNTFGQSAGAMSISGLAMSP 257  
 Db 176 WGRFSTGDEHSRKSGWGHLDQVRALRWQDNTIANFGDPGSVTIFGESAGQSVISLLSP 235

Qy 258 LASGLFHRAISQSGTALRFLPITSNPLKAKVAKKLAGCNHNSTOILNCNLRLASGKVM 317  
 Db 236 LTKNLFPHRAISESGVALLSLSFRNTKSLAEKAIEAGCKTTSAWMHCLQRKTEBLM 295

Qy 318 RVSNKMRFLQNTQDFPERIWNSPSPVTDGVVFPDDPLVLTOTCKVSVUPYLVGNNLEF 377  
 Db 296 EVTLKMKFMALDVLGDPKENTAPTAITIVDGVLPKAPARLAKKYNLPIYMGINOOEF 355

Qy 378 NWLILP-YTMKFPILRQOMRKETTJKMLAISTRLTINITKQVPLVVEELDNTRHDKML 436  
 Db 356 GWLIPIMOMLGYPSESEGKUDQKTAELLWKSYPINVSKELTPATEKYLGGTDPPVK-- 413

Qy 437 RNMMMDIVQDATTVYATLTAHYRHDAGLPIVLYFEHH-ARGIVKPRTDGADHGDEM 495  
 Db 414 KDLPLMLADLILGVPSPNVARHRDAGTAPTYEVRTPSPSSDMRKPXVIGDHGBIF 473

Qy 496 FLPGGPFAITGLSKKEKALSLQMMKYWANPARTGNPNQNLPOWPRKNDKEDYQLQDFTT 555  
 Db 474 SVLGAPFLIKEGATEBEIKLISKMVWANFARNNGNPNGEGLPONPAYDKEGYLQIGATT 533

Qy 556 RVSMKLUKKRMATWSLY--QSRPEK 580  
 Db 534 QAQKLKOKKEVAPWTTELWAKEAARPRE 560

RESULT 6  
 US-09-595-682B-26

Sequence 26, Application US/09595682B  
 ; Patent No. 6800483  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Danks, Mary K.  
 ; APPLICANT: Potter, Philip M.  
 ; APPLICANT: Houghton, Peter J.  
 ; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of  
 ; Tissue of Invention: Tumor Cells  
 ; FILE REFERENCE: SU-0005  
 ; CURRENT APPLICATION NUMBER: US/09/595,682B

---

; CURRENT FILING DATE: 2000-01-16  
 ; PRIORITY APPLICATION NUMBER: 60/075,258  
 ; PRIOR FILING DATE: 1998-02-19  
 ; PRIORITY APPLICATION NUMBER: PCT/US99/03171  
 ; PRIORITY FILING DATE: 1999-02-12  
 ; NUMBER OF SEQ ID NOS: 30  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 26  
 ; LENGTH: 543  
 ; TYPE: PRT  
 ; ORGANISM: Oryctolagus cuniculus  
 ; US-09-595-682B-26

Query Match Score 1230; DB 2; Length 543;  
 Best Local Similarity 43.9%; Prod. No. 5.1e-17; Mismatches 176; Indels 14; Gaps 8;  
 Matches 239; Conservative 115; Mismatches 176; Indels 14; Gaps 8;

Qy 34 LCLMAQFLGAL---HTKRPQV-TKGLOCK-QMHVKTPIQVFLGVFSPRPLGI 86  
 Db 3 LCLALALASLAACTAWGHPSSAPPVUTVHGKVGFVSLGFAQPVAVFLGVFPAKPLGS 62

Qy 87 LRATPAPPPEPKGIRDATTPPGCLOS-SNGOLASMYNSTRERYKWLRFSEBDCLYNV 144  
 Db 63 LRAPPQQFASNSHWKNTTSYPPMCQDASGHMISLEFRKVNIP-LKFSEDCLYLN 121

Qy 145 YAPARACGDPQLVMMPPGGAFTIVGASYSGSDIAAREKVKYLFLHGLI 204  
 Db 122 YTPADLTTRGRKLPMVWIGGGLMVGASTYDGLASAHENTVUTIYRLGIWGFPSTG 181

Qy 205 DSARGNGWLLDQMLAHLWQENIAFGGDGVNTFGQSAGAMSISGLAMSPLAGLH 264  
 Db 182 DEHSRGWGHLDQVAALRWQDNTIANFGDPGSVTIFGESAGQSVISLLSP 324

Qy 242 RAISESGVALLSLSFRNTKSLAEKAIEAGCKTTSAWMHCLQRKTEBLMVTIKR 301

Qy 325 FLOLNFORDPESITWSSPSPVWGVVFDPLVLTOTCKVSVUPYLVGNNLFPNWLIP-Y 383  
 Db 302 FMALDVLGDPKENTAFLTVIDVILLPKAPAEKXKNMLPYMGINSQOFGWLPQ 361

Qy 384 IMEPLRQAMKETTJKMLAISTRLTINITKQVPLVVEELDNTRHDKMLRNAMD 443  
 Db 362 MLQYPLSERQKLPDKTATELLWKSYPINVSKELTPATEKYLGGTDPPVK-- 419

Qy 444 VODATFWVATLTAHYRHDAGLPIVLYFEHH-ARGIVKPRTDGADHGDEMVFLLFGGP 502  
 Db 420 LADLIFGVSPVWVHRDAGTAPTYEVRTPSPSSDMRKPXVIGDHGBIF 479

Qy 503 ATGLSMKKEKALSLQMMKYWANPARTGNPNQNLPOWPRKNDKEDYQLDFTT 562  
 Db 480 LKEGATEBEIKLISKMVWANFARNNGNPNGEGLPONPAYDKEGYLQIGATT 539

Qy 563 EKRM 566  
 Db 540 DIKEV 543

RESULT 7  
 US-08-845-295A-2

Sequence 2, Application US/08845295A  
 ; Patent No. 5817490  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Huber, John C.  
 ; TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
 ; TITLE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Eastman Chemical Company  
 ; STREET: P.O. Box 511  
 ; CITY: Kingsport  
 ; STATE: Tennessee

COUNTRY: USA  
 ZIP: 37662-5075  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch disk  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: Microsoft Word  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/845,295A  
 FILING DATE: 25-April-97  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/017,879  
 FILING DATE: 17-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cheryl J. Tubach  
 REGISTRATION NUMBER: 38,346  
 REFERENCE/DOCKET NUMBER: 70432  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 423-229-6189  
 TELEX/FAX: 423-229-1239  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 584 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein  
 ; US-08-845-295A-2  
 Query Match 37.6%; Score 1169.5; DB 1; Length 584;  
 Best Local Similarity 43.0%; Pred. No. 9.5e-111; Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13;  
 QY 26 WILCWSLTICLMAQTAIGALIKTRPQVW-TKXGTIQLGKQHVG---KTPIQVFLGVPS 80  
 Db 2 WLL--PLVLTLASSATWAGOPASPQVDPVQDPLVLTQGRVUGKVVSLEGLAGFTQVAVELGVPPFA 59  
 QY 81 RPLPLGIRFAPPEPPRPPWKGTRDAATTYPGPGCQESNGQCLASMYST---RERYKMLRFS 136  
 Db 60 KEPPLGLSRFAPQPQAPWPWSFVKTNTISYPMCQCDPVEQMTSDLTFTNPKERLT-LEFS 118  
 QY 137 EDCLYLNYYAPARAPCOPOLPMWVPGGARTVGAASSYGSIDLAREK--WVLFQHR 194  
 Db 119 EDCLYLNYYTPADLTKRGRGLPVMVWHGGGLVTLGAPMWDGVVLAHENFTVVVAIQR 178  
 QY 195 LGIFGLSTDDSHARGWGLDQMAALRWQDNTIAFGDPGNVTLPGOS -AGAMSI 252  
 Db 179 LGIWGPFSTGDBHSRKGHNDQVALHWQDNTIANFGDPGSVTIFGESPTAGBSSV 238  
 QY 253 LMSPLASGLFERRAISQSGTALFRLFITSNPKLVAKVVAHLAGCNINSTQI--LYNCRLA 310  
 Db 239 LVLSPLAKNLFRAISESGVALTVLRKOMKAQKQIAVLAGCKTTSAVFTFWHCLRQ 298  
 QY 311 LGTKYKVRNSKRFQINFORPPEITWSMSPWVGDWVPPDPLVLTQG--KVSSPVY 368  
 Db 299 KSEDELDLDTLKMKFLTDHGDRDKSHPLFTVGVLPKMPBEILAKDFTNTV 358  
 Qy 369 LGVNLNEPLWMLPYIMKPPRNQARKETTITKOMLNRSTTLLNITEQVNPVW--VERYLD 426  
 Db 359 IYGINKOKEPGRMLPTMGFPPLSEGKQDOKTATSLWKSQYANTIPERBLTPVATFTDKLG 418  
 Qy 81 RPLPLGIRFAPPEPPRPPWKGTRDAATTYPGPGCQESNGQCLASMYST---RERYKMLRFS 136  
 Db 60 KEPPLGLSRFAPQPQAPWPWSFVKTNTISYPMCQCDPVEQMTSDLTFTNPKERLT-LEFS 118  
 Qy 137 EDCLYLNYYAPARAPCOPOLPMWVPGGARTVGAASSYGSIDLAREK--WVLFQHR 194  
 Db 119 EDCLYLNYYTPADLTKRGRGLPVMVWHGGGLVTLGAPMWDGVVLAHENFTVVVAIQR 178  
 Qy 195 LGIFGLSTDDSHARGWGLDQMAALRWQDNTIAFGDPGNVTLPGOS -AGAMSI 252  
 Db 179 LGIWGPFSTGDBHSRKGHNDQVALHWQDNTIANFGDPGSVTIFGESPTAGBSSV 238  
 Qy 253 LMSPLASGLFERRAISQSGTALFRLFITSNPKLVAKVVAHLAGCNINSTQI--LYNCRLA 310  
 Db 239 LVLSPLAKNLFRAISESGVALTVLRKOMKAQKQIAVLAGCKTTSAVFTFWHCLRQ 298  
 Qy 311 LGTKYKVRNSKRFQINFORPPEITWSMSPWVGDWVPPDPLVLTQG--KVSSPVY 368  
 Db 299 KSEDELDLDTLKMKFLTDHGDRDKSHPLFTVGVLPKMPBEILAKDFTNTV 358



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; TOPOLOGY: Linear
; MOLECULE TYPE: protein
; US-09-150-515-2

Query Match 37.6%; Score 1169.5; DB 2; Length 584;
Best Local Similarity 43.0%; Pred. No. 9; 5e-11; Indels 29; Gaps 13;
Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13;
Matches 249;

Qy 26 WILCWMSITLCLMAQTLAIGALHTKRPQY-TKYGTLQKOMHG---KTPIQYPLGPPS 80
Db 2 WLL-PLVLTSLASSATWAGQSPASPPVVDTQAQCVLKVSLEGLAPMOPVAVPLGVPPA 59

Qy 81 RPLPLGIURPAPPERRPEPKGIRDAATTYPGPGCLOBSWGLASLMVST---RERYKURFS 136
Db 60 KPLPLSRFAPQPAEPMWSFVKNTTSPPMCCDPPVQEWTSDLFTNPTGKERLT-LEPS 118
Db 179 LGIIGWFFSTGDEHSRGNGWGHLDQVALHVNQENTIAFGCGDPESVTGESFTAGGESVSV 238

Qy 137 EPLCYLNYTAPARAPGDQPLPVMWFPGAGFTVGAASSYEGSDLAABK--VVLVFTQHR 194
Db 119 EPLVLYNITYTAPDLTKRORLIPVAVWHGGLVUGGAPEMDGVVLAHENFTVVAIQR 178

Qy 195 LGIFGFLSTDDSHARGNWGLDQMLAERWQENIAFGGDPENVTLFGOS--AGAMISG 252
Db 239 LVIISPLATNLFHAISESGVALTVLVRKDMKAAKQJAVLAGCTTISAVTFVHCIRQ 298

Qy 311 LSGCKVMEVSKNKRFLQLNFORDEBEITWSMSPVUDGVVTPDPLVLIQOG--KVSSVY 368
Db 299 KSEDELLDITLKRKFLTDHFHGPRESHPFLPITSNPLKVKVKAHLAGCNHNSQI-LVNCRLA 310

Qy 253 IIMSPPLASGLFHRAISQSGTALPFLPITSNPLKVKVKAHLAGCNHNSQI-LVNCRLA 310
Db 239 LVIISPLATNLFHAISESGVALTVLVRKDMKAAKQJAVLAGCTTISAVTFVHCIRQ 298

Qy 359 IVGKINQKRGFWLPLTMGCPPLSECKDOKTATSLWKSYPIANIPEELTPVATFTDKYLG 418
Db 427 NYVEHDWMLRNRMMDIVODATFVYATIOTAHDRAGLPVLYFEHH--ARGIVK 483
Db 419 GTDDPVKK---KDLFDLIMDGUVVFGPSVTVARGHDSAPTYMEFOTRPSFSDKFTK 476

Qy 484 RTDGADHGDDEMYLFLGGPATGISMKGKAKLSIQMMKQWANFARTGNENDGNLPCWMP--R 541
Db 477 KTVIGKQHDBIPIVFGFLKIDGAPBEEVLSKTMKCKWANFARSQGNPNEGGLPHMPFT 536

Qy 542 YNKDKEYKQOLDPFTTRVGMGLKEKONAFWMSLYGSORPERK 580
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RESULT 11
US-10-023-515-2

; Sequence 2, Application US/10023515
; Patent No. 6664991
; GENERAL INFORMATION:
; APPLICANT: Curtiss, Rory A. J.
; APPLICANT: Silos-Santiago, Immaculada
; TITLE OF INVENTION: A NOVEL HUMAN CARBOXYL ESTERASE
; FILE REFERENCE: 10448-122001
; CURRENT APPLICATION NUMBER: US/10/023, 515
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 60/256, 369
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 581
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-023-515-2

Query Match 36.4%; Score 1133; DB 2; Length 539;
Best Local Similarity 41.3%; Pred. No. 4.6e-107; Indels 227; Gaps 10; Matches 227; Conservative 115; Mismatches 177; Indels 30; Gaps 10;
Matches 227; Conservative 115; Mismatches 177; Indels 30; Gaps 10;

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QY 145 YAPARRACDPOLPVMMWPGGAFITVGAASSYFEGSDLAKEKVLVLTQHRLGIGFGLSTD 204  
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Db 325 FLQLNIFORDPEETIWSMSPVWDGVVIPDPLVLTQKGKVVSPYLQNLGUNNLFNWLPYI 384  
Db 309 MI-----PGVUDGVFLPRHPQELLASADFOPIPSIVGUNNEFGWLIPKV 353  
Qy 309 MI-----PGVUDGVFLPRHPQELLASADFOPIPSIVGUNNEFGWLIPKV 353  
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Qy 444 VODATFVATQTAHYRDAGLPVLYEPHHARGI-IVKPRTDGADHGDEMPL---F 498  
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Qy 528 RALKAHRIQFWKALPOKIQELEBPEER 555

RESULT 15  
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; Sequence 7, Application US/10019219  
; Patent No. 6875844  
; GENERAL INFORMATION:  
; APPLICANT: RONSIN, CHRISTOPHE  
; APPLICANT: SCOTT, VERONIQUE  
; APPLICANT: TRIBEL, FREDERIC  
; TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE  
; TITLE OF INVENTION: GENE  
; FILE REFERENCE: 065691-0263  
; CURRENT APPLICATION NUMBER: US/10/019,219  
; CURRENT FILING DATE: 2002-05-15  
; PRIORITY APPLICATION NUMBER: PCT/FR00/01791  
; PRIORITY FILING DATE: 2000-06-27  
; PRIORITY APPLICATION NUMBER: FR 99/08224  
; PRIORITY FILING DATE: 1999-06-28  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 7  
; LENGTH: 559  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-019-219-7

Query Match 34.8%; Score 1083; DB 2; Length 559;  
Best Local Similarity 40.8%; Pred No. 6.7e-102; Indels 38; Gaps 10;  
Matches 237; Conservative 94; Mismatches 204; Indexes 10;

Qy 27 ILCMSLTCMAQTLGALHTKRPQVTKTGLOCKQMVY-GKTPLOVFLGVPFSSRPLL 84  
Db 13 VACGLLILVVRGO---GODSASPRTRTHQVQGLSVLHVKGANGAVQFLPLGIPAKPLL 68  
Qy 85 GILRRAPEPEPWKGIRDATYPCCLOSWGQJASMYSTREBHKWLRFSECDLILAV 144  
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Qy 145 YAPARPGDOLPVMMWPGGAFITVGAASSYEGSDLAAREKVKVLYFLQHRLGIGFGLSTD 204  
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Search completed: December 27, 2005, 20:20:22  
Job time : 47 sec

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